

SEQUENCE LISTING

(2) INFORMATION FOR SEQ ID NO: 1:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 23bp

(B) TYPE: nucleic acid

(C) STRANDEDNESS: single

(D) TOPOLOGY: linear

(ii) MOLECULAR TYPE: oligonucleotide

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:

AGAGTGGTGG TGGCTCCACT CTG 23

(2) INFORMATION FOR SEQ ID NO: 2:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 23bp

(B) TYPE: nucleic acid

(C) STRANDEDNESS: single

(D) TOPOLOGY: linear

(ii) MOLECULAR TYPE: oligonucleotide

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:

TGCTGTGCAT GGTTCGGTCC ATC 23

(2) INFORMATION FOR SEQ ID NO: 3:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 544bp

(B) TYPE: nucleic acid

(C) STRANDEDNESS: double

(D) TOPOLOGY: linear

(ii) MOLECULAR TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:

1 AGAGTGGTGG TGGCTCCACT CTGCCGCCG ATAGAAGCCA GGAGCAGGGC TCTCAGAAGG
 61 CGGTGGTGCC AGCTGGGATC ATGTTGTTGG CCTGGTCTG TCTGCTCAGC TGCCTGCTAC
 121 CCTCCAGTGA GGCCAAGCTC TACGGTCGTT GTGAAGTGGC CAGAGTGCTA CATGACTTCG
 181 GGCTGGACGG ATACCGGGGA TACAGCCTGG CTGACTGGGT CTGCCTTGCT TATTTACAAA
 241 GCGGTTTCAA CGCAGCTGCT TTGGACTACG AGGCTGATGG GAGCACCAAC AACGGGATCT
 301 TCCAGATCAA CAGCCGGAGG TGGTGCAGCA ACCTCACCCC GAACGTCCCC AACGTGTGCC
 361 GGATGTACTG CTCAGATTG TTGAATCCTA ATCTCAAGGA TACCGTTATC TGTGCCATGA
 421 AGATAACCCA AGAGCCTCAG GGTCTGGGTT ACTGGGAGGC CTGGAGGCAT CACTGCCAGG
 481 GAAAAGACCT CACTGAATGG GTGGATGGCT GTGACTTCTA GGATGGACGG AACCATGCAC
 541 AGCA

(2) INFORMATION FOR SEQ ID NO: 4:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 146 amino acids

(B) TYPE: amino acid

(D) TOPOLOGY: lineal

(ii) MOLECULE TYPE: polypeptide

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:

1 Met Leu Leu Ala Leu Val Cys Leu Leu Ser Cys Leu Leu Pro Ser
 16 Ser Glu Ala Lys Leu Tyr Gly Arg Cys Glu Leu Ala Arg Val Leu
 31 His Asp Phe Gly Leu Asp Gly Tyr Arg Gly Tyr Ser Leu Ala Asp
 46 Trp Val Cys Leu Ala Tyr Phe Thr Ser Gly Phe Asn Ala Ala Ala
 61 Leu Asp Tyr Glu Ala Asp Gly Ser Thr Asn Asn Gly Ile Phe Gln
 76 Ile Asn Ser Arg Arg Trp Cys Ser Asn Leu Thr Pro Asn Val Pro
 91 Asn Val Cys Arg Met Tyr Cys Ser Asp Leu Leu Asn Pro Asn Leu

106 Lys Asp Thr Val Ile Cys Ala Met Lys Ile Thr Gln Glu Pro Gln
121 Gly Leu Gly Tyr Trp Glu Ala Trp Arg His His Cys Gln Gly Lys
136 Asp Leu Thr Glu Trp Val Asp Gly Cys Asp Phe

5

(2) INFORMATION FOR SEQ ID NO: 5:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 29bp

(B) TYPE: nucleic acid

(C) STRANDEDNESS: single

(D) TOPOLOGY: linear

(ii) MOLECULAR TYPE: oligonucleotide

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:

TCTCGGATCC ATGTTGTTGG CCCTGGTCT 29

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(2) INFORMATION FOR SEQ ID NO: 6:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 29bp

(B) TYPE: nucleic acid

(C) STRANDEDNESS: single

(D) TOPOLOGY: linear

(ii) MOLECULAR TYPE: oligonucleotide

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:

CCTTGTCGAC CTAGAAGTCA CAGCCATCC 29

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(2) INFORMATION FOR SEQ ID NO: 7:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 29bp

(B) TYPE: nucleic acid

(C) STRANDEDNESS: single

(D) TOPOLOGY: linear

(ii) MOLECULAR TYPE: oligonucleotide

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:

TCTCAAGCTT ATGTTGTTGG CCCTGGTCT 29

(2) INFORMATION FOR SEQ ID NO: 8:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 29bp

(B) TYPE: nucleic acid

(C) STRANDEDNESS: single

(D) TOPOLOGY: linear

(ii) MOLECULAR TYPE: oligonucleotide

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:

CCTTGATCC CTAGAAGTCA CAGCCATCC 29

(2) INFORMATION FOR SEQ ID NO: 9:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 27bp

(B) TYPE: nucleic acid

(C) STRANDEDNESS: single

(D) TOPOLOGY: linear

(ii) MOLECULAR TYPE: oligonucleotide

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:

TCTCAAGCTT AAGCTCTACG GTCGTTG 27